Notebook, PN-87-00-00.5, ca. 1887

This undated notebook was probably used by Edison about 1887. It contains drawings and calculations on phonographs, lamp filaments, and generators. On the first page is a copy of a letter from Mina Miller Edison to the Miller Brothers regarding the address of Mrs. Ezra T. Gilliland. The front cover is stamped "Note Book." The pages are unnumbered, and several pages have been removed from the book. Approximately 40 pages have been used.

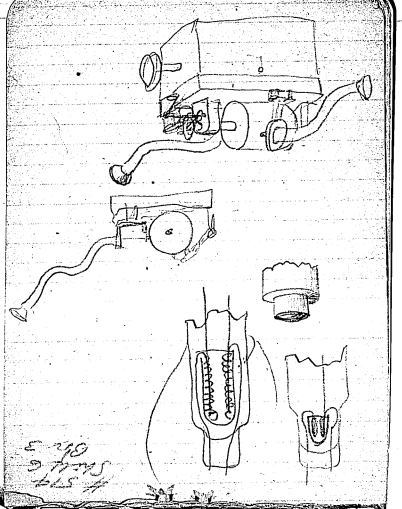
This book has been filmed at a reduction ratio of 15:1.

574
Shelf 6
Box 3

Miller Bros.
Dear Sirs.

Mrs. Hilliard's address is
Cor. of West End Ave and 74th St.
New York City.
or
What is better
235 West 74th St.

Would be pleased to entertain your
firm at any time that they feel
they can have your business.



Chrysene $C_{18}H_{12}$
216 12

95-pot Carbon
Can't be oxidized.

Volts	ohm
100	100
	50 2
	25 4
	12 8
	6 16
	3 32
	1½ 64

$\frac{1}{10}$ ohm

1 ohm = 10^4 4 hrs/yr 2½.

160 Cells – 104 volts.

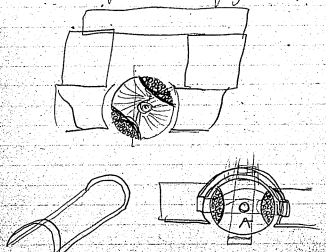
3½ ohm 10 ohm – 65/4 2.60

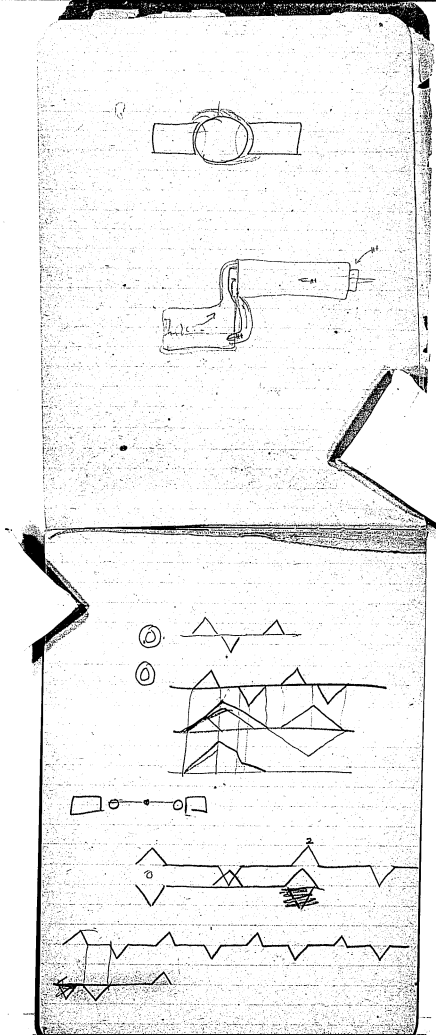
4-/ 6000 lbs.
1200.

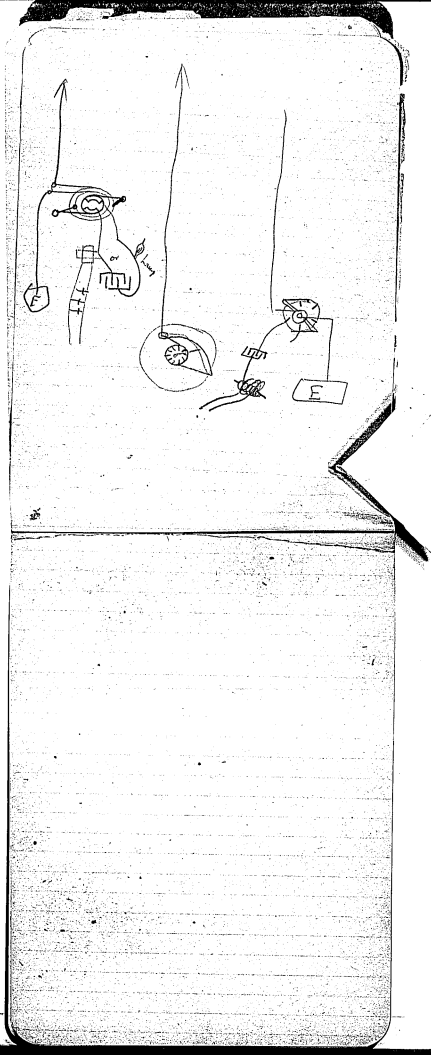
10 Rev. min. 1 oz 1 foot high.
1000 lbs 1 foot high min.
1/333 of hp -
6
1998.

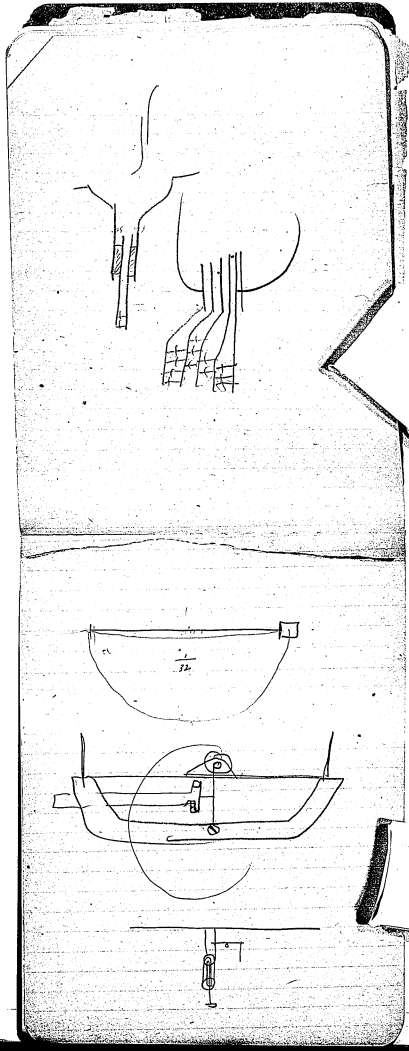
25

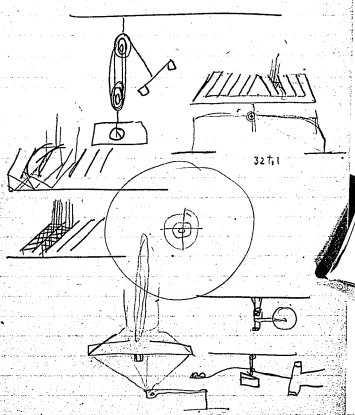
6 ft gas 2000 ft gas hp.






F
E

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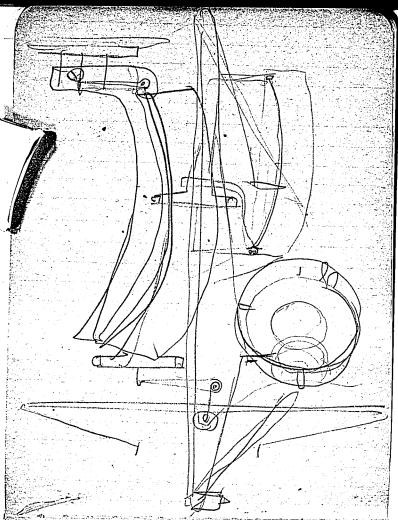


My dear Mamma -

1060	1140	2200
1070	1230	
1060	1140	
1160	1040	
1170	1030	20 Cards Each
1020	1180	
1080	1120	
1020	1180	
1230	970	
1100	1100	
1170	1030	
1140	1206	
13280		

1328
1206
122

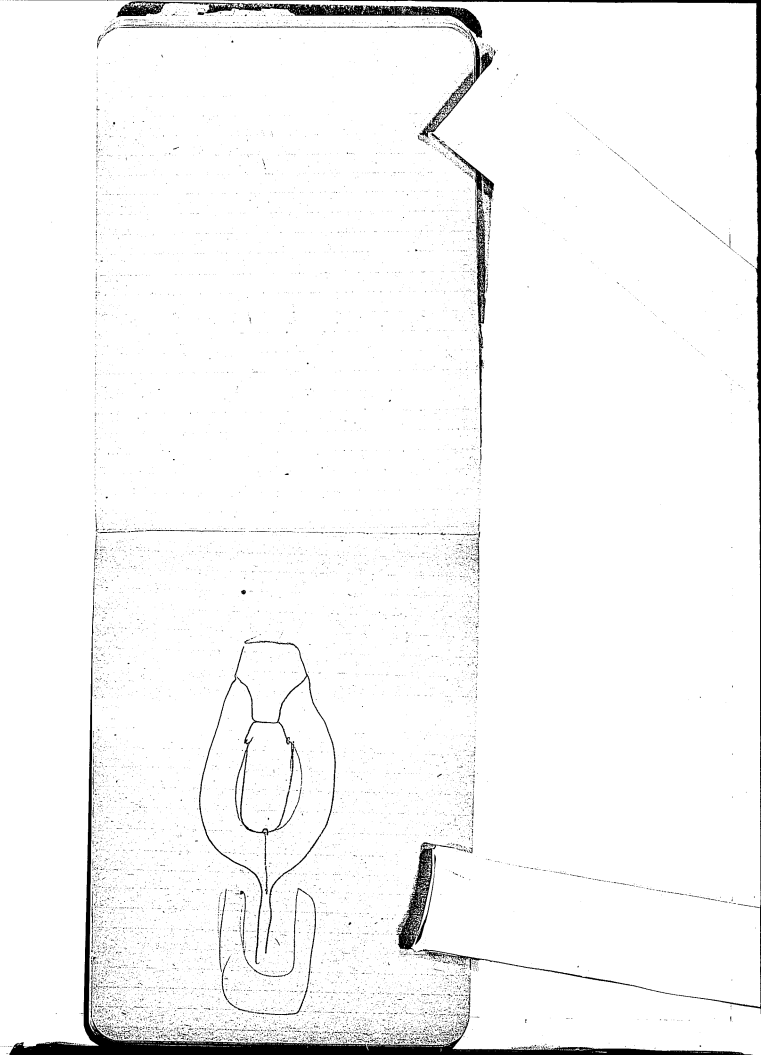
1230
970
260

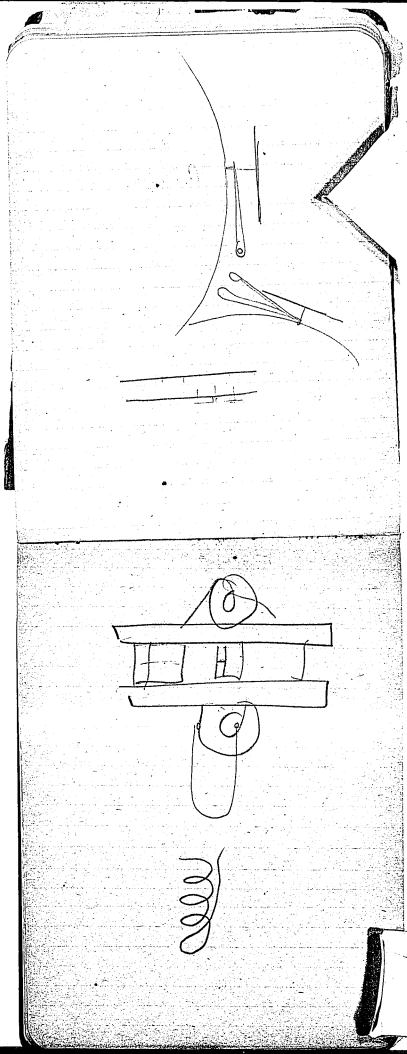
E	M	
710	500	1210
500	710	
480	730	
630	560	
500	710	
560	650	
580	630	
500	710	
410	800	
630	580	
420	790	
780	430	
6720	7800	
	6720	
	1080	

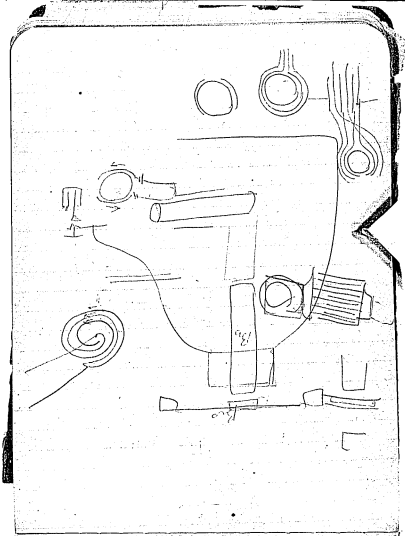
20 Cards
10 each
10 highest
10 lowest

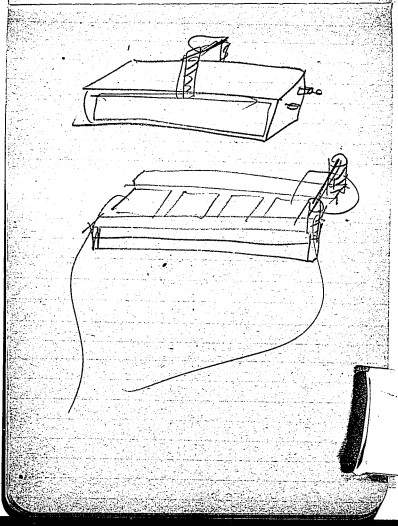
390
630
580
1210

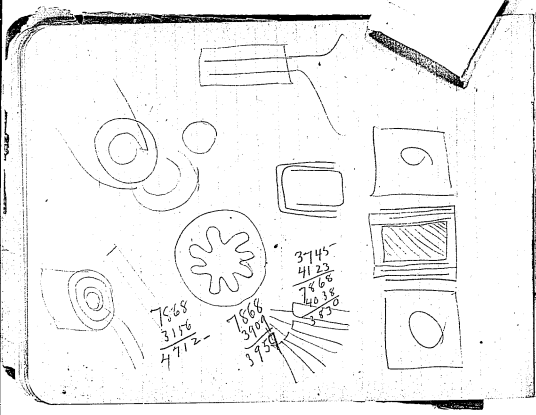
790
420
1210











428
200
680
712
86
680
86
3725
200
391
4638

390
591
712
375
680
186
371
428
186
200
4123

390
286
86
591
712
86
200
428
286
680 3745

E	M		
570	480	47	48
470	510	51	37
300	480	98	85

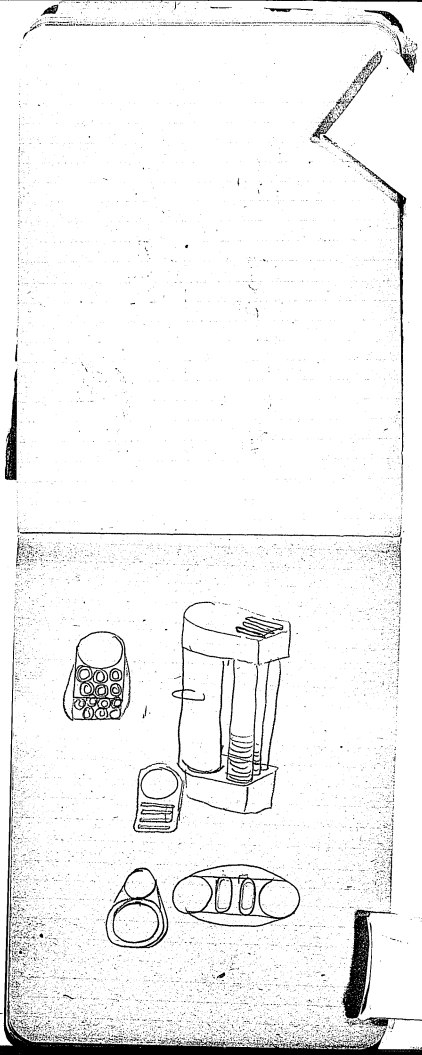
E	M		
560	540		
670	430	670	430
570	530	430	
600	500	240	
480	620	480	
490	610		
580	520		
470	630		
540	560		
480	620		
580	520		
600	500		
6620	6680		

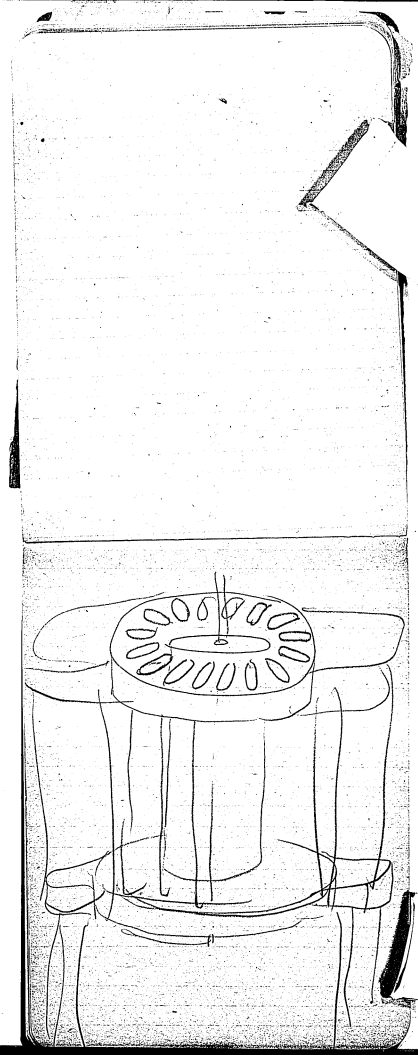
10 Card Each

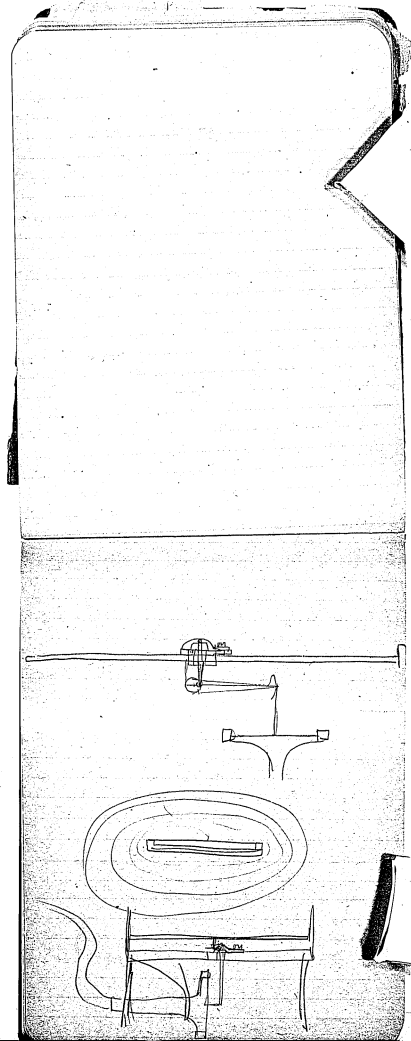
2	1	2
2	2	4
2	3	6
2	4	8
2	5	10

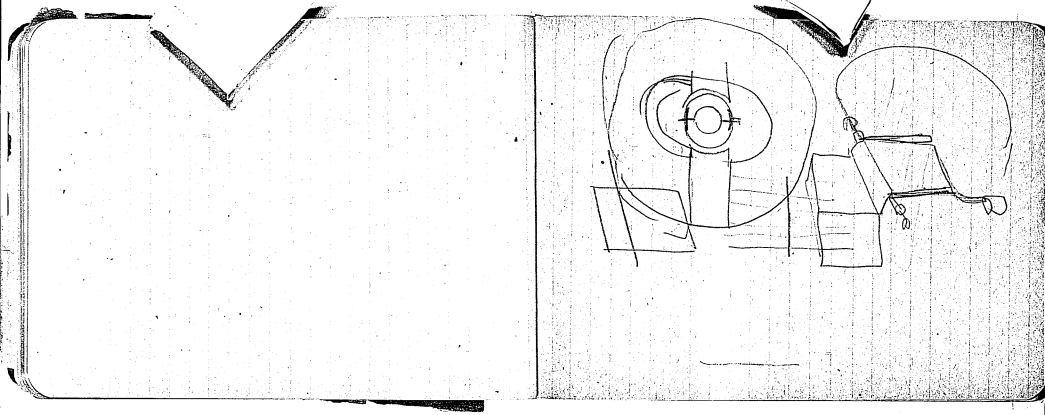
300
800

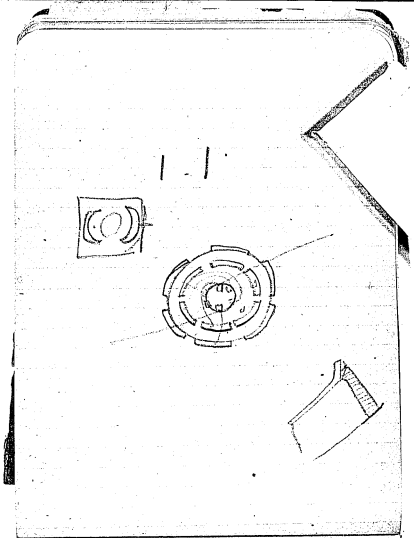
56
54
110







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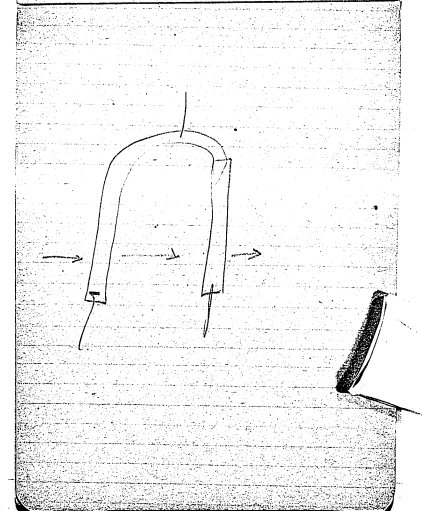
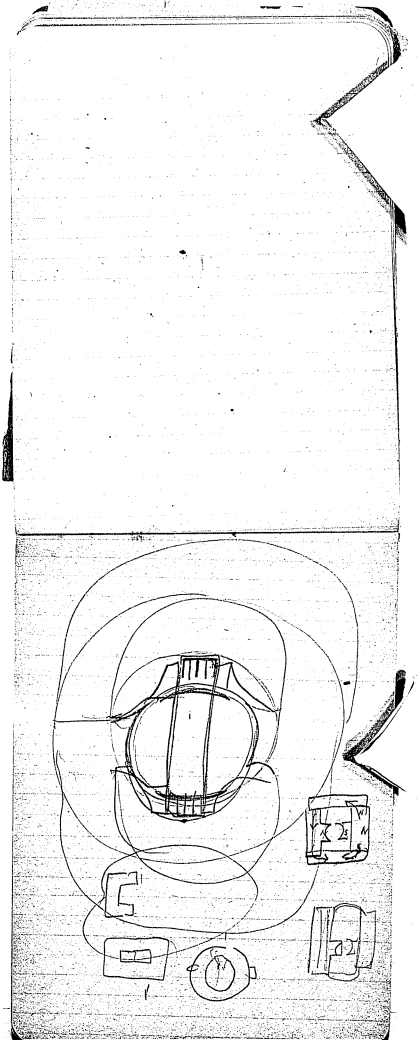
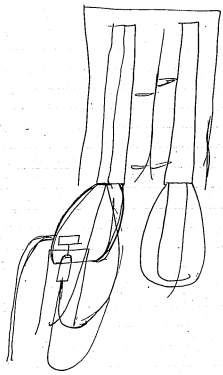






5

25 millim. mq.

250.000

$\frac{16}{24}$ $\frac{16}{4}$

$\frac{80}{32}$ $\frac{64}{4}$

$40 - \frac{4}{23.6}$

5 inch aperture to $\frac{1}{4}$ inch aperture

increase pressure 400 times

2 inch aperture $\frac{1}{8}$ inch dia. 4

256 times.

4 | 1224.

306.

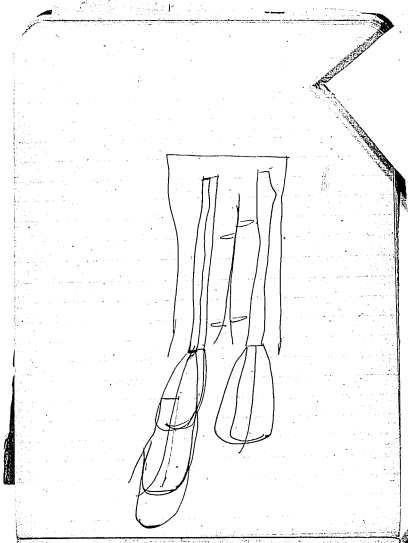
inch $\frac{1}{32}$.

32 | 1200 | 38

32

60

32 feet per sec



1	.170
2	340
4	680
8	1360
16	2720
32	5440
64	10880
128	21760
256	43520

160. 17.00 | 10 | 9/16

10. 220 16 256 in inch

1 foot / ohm

1770.

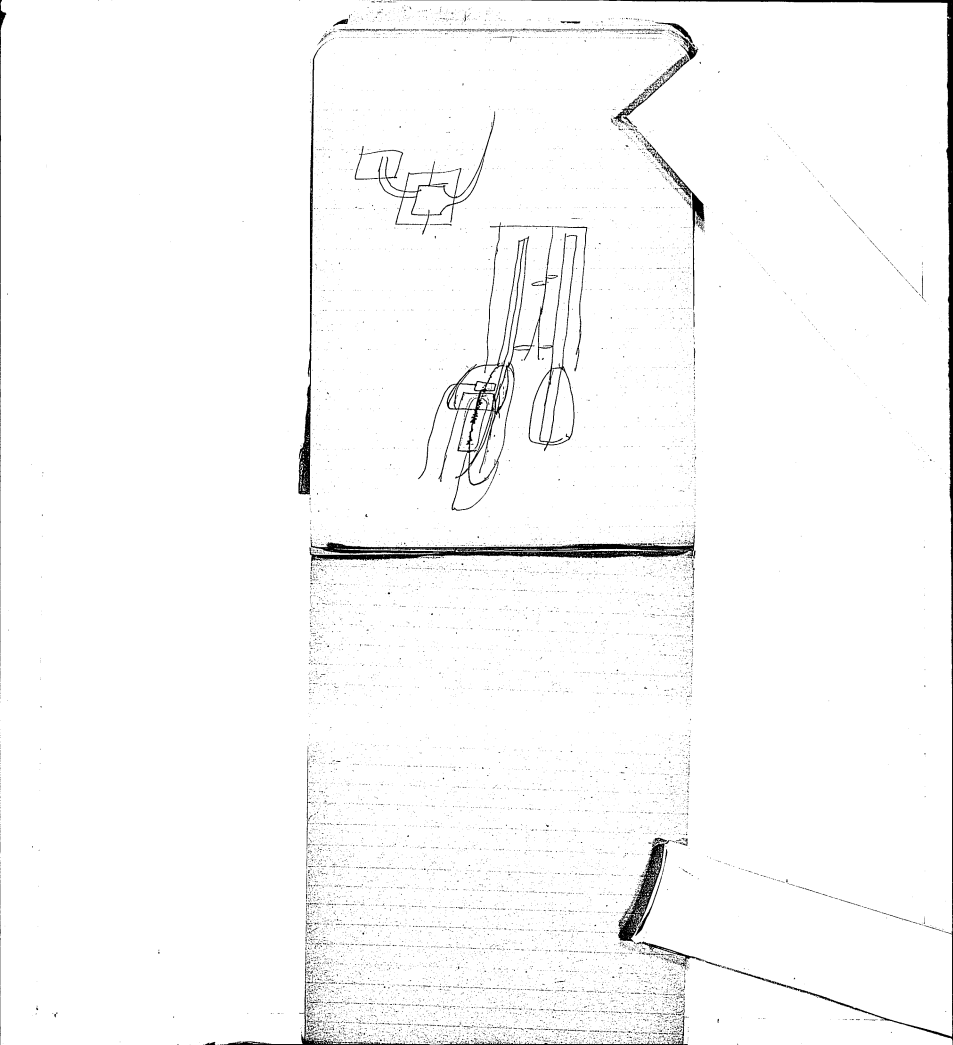
1/150 wood

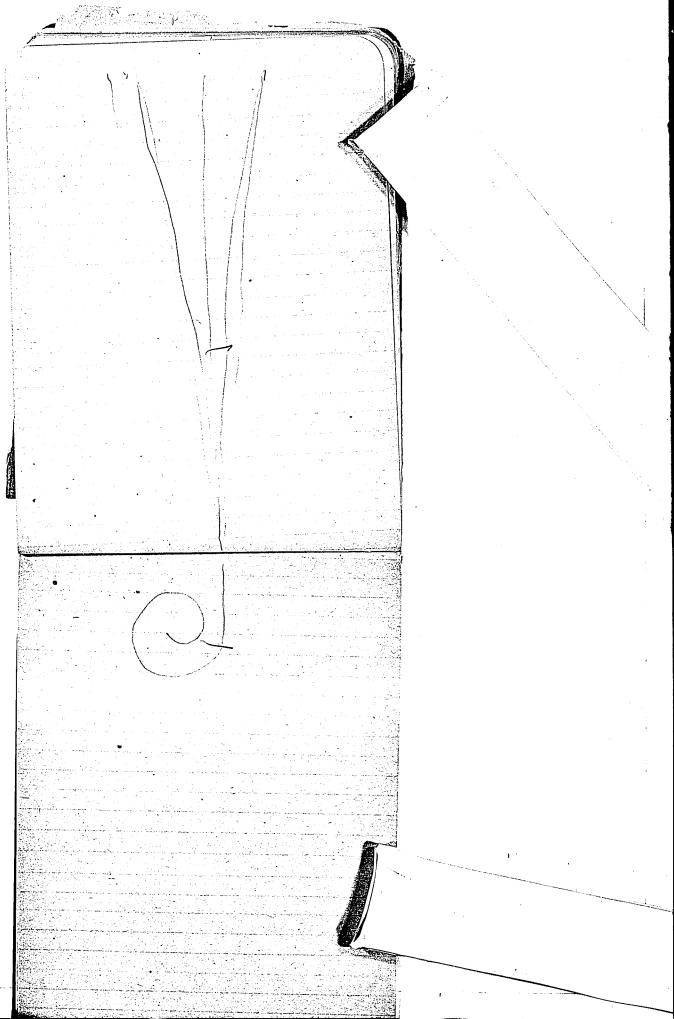
45-9,000

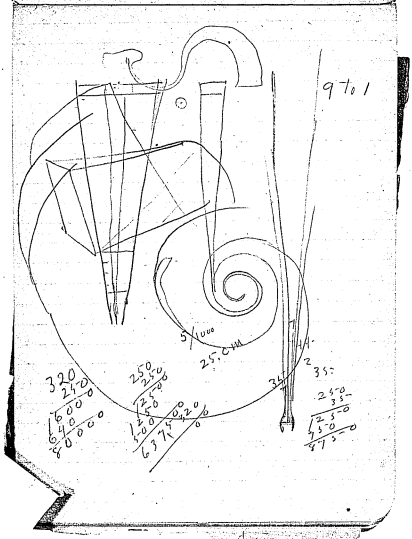
1 millivolt

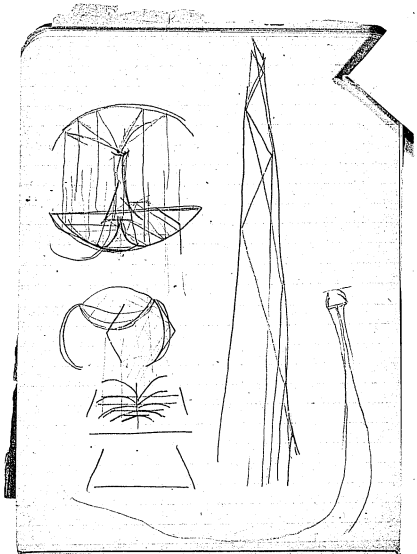
1/4

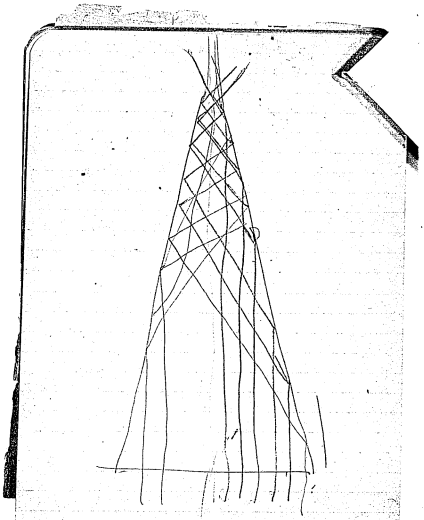
1 ohm

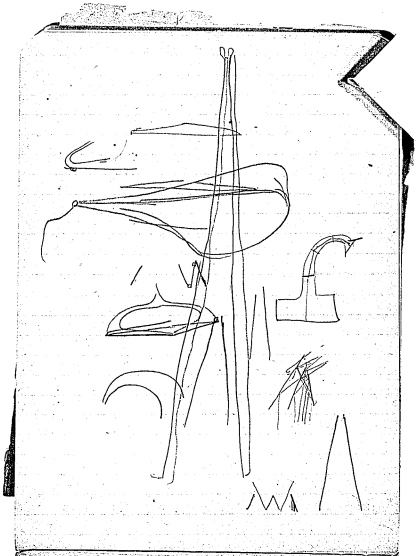





9701
5/1000
25.CM
320
2120
1600
1280
800
250
250
150
150
100
100
67
35
35
25-0
35-0
25-0
35-0
47.5-0







about heat part,

25- Exclusive of
20 surface,

750
750
375-0
225-0
150-0
56.2
30 surface.

Combined

3 / 750
250
50

6.
36.
28.5
8

29 Combined
18 surface.

64
16
48.

0
36

6

7.

9 49.

008
002

64.

48 480
32 32
50 512

4 3.
32

9 51.
72